

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-8 (cancelled)

Claim 9 (currently amended): ~~The exhaust aftertreatment combined filter and catalytic converter according to claim 3~~ An exhaust aftertreatment combined filter and catalytic converter comprising a plurality of flow channels each having both: a) a flow-through channel catalytically reacting with exhaust; and b) a wall-flow channel trapping particulate,
5 wherein said exhaust aftertreatment combined filter and catalytic converter comprises a plurality of sheets, at least one of which comprises a filter media sheet, said sheets defining said plurality of flow channels, including flow-through channels catalytically reacting with said exhaust and including wall-flow channels in the same said flow channels as said flow-through channels and passing exhaust through said filter media sheet and trapping
10 particulate thereat, wherein exhaust flows axially through said exhaust aftertreatment combined filter and catalytic converter, and wherein said flow-through channels and said wall-flow channels have axially overlapped channel sections in said flow channels, and wherein exhaust flows axially through said exhaust ~~after treatment~~ aftertreatment combined filter and catalytic converter from an upstream end to a downstream end, said filter media
15 sheet has a first face facing upstream and has a second face facing downstream, each said flow-through channel has a portion extending downstream from said second face of said filter media sheet, and wherein said exhaust aftertreatment combined filter and catalytic converter comprises first, second and third serially sequential surfaces in each said flow channel, wherein said exhaust flows firstly along and through said first sequential surface,
20 then secondly along and through said second sequential surface, then thirdly along said third sequential surface, wherein said first face of said filter media sheet is said first sequential surface, said second face of said filter media sheet is said second sequential surface, and said overlapped section of said flow-through channel is said third sequential surface.

Claim 10 (original): The exhaust aftertreatment combined filter and catalytic converter according to claim 9 wherein at least one of said first, second and third serially sequential surfaces is catalytically treated.

Claim 11 (original): The exhaust aftertreatment combined filter and catalytic converter according to claim 10 wherein each of said first, second and third serially sequential surfaces is catalytically treated.

Claim 12 (currently amended): ~~The exhaust aftertreatment combined filter and catalytic converter according to claim 3~~ An exhaust aftertreatment combined filter and catalytic converter comprising a plurality of flow channels each having both: a) a flow-through channel catalytically reacting with exhaust; and b) a wall-flow channel trapping particulate
5 wherein said exhaust aftertreatment combined filter and catalytic converter comprises a plurality of sheets, at least one of which comprises a filter media sheet, said sheets defining said plurality of flow channels, including flow-through channels catalytically reacting with said exhaust and including wall-flow channels in the same said flow channels as said flow-through channels and passing exhaust through said filter media sheet and trapping
10 particulate thereat, wherein exhaust flows axially through said exhaust aftertreatment combined filter and catalytic converter, and wherein said flow-through channels and said wall-flow channels have axially overlapped channel sections in said flow channels, and wherein exhaust flows axially through said exhaust aftertreatment combined filter and catalytic converter from an upstream end to a downstream end, said filter media sheet has a
15 first face facing upstream and has a second face facing downstream, each said flow-through channel has a portion extending upstream from said first face of said filter media sheet, and wherein said exhaust aftertreatment combined filter and catalytic converter comprises first, second and third serially sequential surfaces in each said flow channel, wherein said exhaust flows firstly along said first sequential surface, then secondly along and through said second

20 sequential surface, then thirdly along and through said third sequential surface, wherein said portion of said flow-through channel is said first sequential surface, said first face of said filter media sheet is said second sequential surface, and said second face of said filter media sheet is said third sequential surface.

Claim 13 (original): The exhaust aftertreatment combined filter and catalytic converter according to claim 12 wherein at least one of said first, second and third serially sequential surfaces is catalytically treated.

Claim 14 (original): The exhaust aftertreatment combined filter and catalytic converter according to claim 13 wherein each of said first, second and third serially sequential surfaces is catalytically treated.

Claim 15 (currently amended): ~~The exhaust aftertreatment combined filter and catalytic converter according to claim 4~~ An exhaust aftertreatment combined filter and catalytic converter comprising a plurality of flow channels each having both: a) a flow-through channel catalytically reacting with exhaust; and b) a wall-flow channel trapping particulate
5 wherein said exhaust aftertreatment combined filter and catalytic converter comprises a plurality of sheets, at least one of which comprises a filter media sheet, said sheets defining said plurality of flow channels, including flow-through channels catalytically reacting with said exhaust and including wall-flow channels in the same said flow channels as said flow-through channels and passing exhaust through said filter media sheet and trapping
10 particulate thereat, wherein exhaust flows axially through said exhaust aftertreatment combined filter and catalytic converter, and wherein said flow-through channels and said wall-flow channels have axially overlapped channel sections in said flow channels, and, wherein the combination of said flow-through channels and said wall-flow channels have plural catalytically treated surfaces in said flow channels, and comprising three said
15 catalytically treated surfaces in each said flow channel.

Claim 16 (original): The exhaust aftertreatment combined filter and catalytic converter according to claim 15 wherein exhaust flows axially through said exhaust aftertreatment combined filter and catalytic converter from an upstream end to a downstream end, said filter media sheet has a first face facing upstream and has a second face facing downstream,
5 each said flow-through channel has a portion extending downstream from said second face of said filter media sheet, said three catalytically treated surfaces comprise first, second and third serially sequential surfaces, wherein said exhaust flows firstly along and through said first sequential catalytically treated surface, then secondly along and through said second sequential catalytically treated surface, then thirdly along said third sequential catalytically
10 treated surface, and wherein said first face of said filter media sheet is said first sequential catalytically treated surface, said second face of said filter media sheet is said second sequential catalytically treated surface, and said overlapped section of said flow-through channel is said third sequential catalytically treated surface.

Claim 17 (original): The exhaust aftertreatment combined filter and catalytic converter according to claim 15 wherein exhaust flows axially through said exhaust aftertreatment combined filter and catalytic converter from an upstream end to a downstream end, said filter media sheet has a first face facing upstream and has a second face facing downstream,
5 each said flow-through channel has a portion extending upstream from said first face of said filter media sheet, said three catalytically treated surfaces comprise first, second and third serially sequential surfaces, wherein said exhaust flows firstly along said first sequential catalytically treated surface, then secondly along and through said second sequential catalytically treated surface, then thirdly along and through said third sequential catalytically
10 treated surface, and wherein said portion of said flow-through channel is said first sequential catalytically treated surface, said first face of said filter media sheet is said second sequential catalytically treated surface, and said second face of said filter media sheet is said third sequential catalytically treated surface.

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Claims 18-90 (canceled)